



Republic of the Philippines
Department of Education
REGION III-CENTRAL LUZON

REGIONAL MEMORANDUM

No. 59 s. 2020

**REGION III FINALISTS, OFFICIAL DELEGATES, AND OTHER PARTICIPANTS
TO THE NATIONAL SCIENCE AND TECHNOLOGY FAIR (NSTF)
FOR SCHOOL YEAR 2019-2020**

To: All Schools Division Superintendents
Curriculum and Implementation Division Chiefs
Division Science and Technology Fair Coordinators
Secondary School Administrators/Principals

1. This is to announce the Region III finalists to the National Science and Technology Fair (NSTF) for School Year 2019-2020, which shall be held at Novotel, Araneta Center, Cubao, Quezon City on the date to be announced later by the Deped Central Office.
2. Of the eight (8) projects submitted to the National Scientific Review of Science Investigatory and Innovative Projects last December 2019, three (3) were approved. **Enclosure 1** contains the list of the approved/qualified projects. Congratulations to all finalists.
3. Enclosure 2 is the List of official delegates and other participants to this fair.
4. Official delegates should pre-register online at **nstf.webharmony.ph** on or before February 14, 2020. **Student-finalists** should click the **Finalist tab**, and **Guest Tab** for **non-student finalists**. Other participants are not required to register.
5. Check-in time is at 2:00 PM of the first day, and check-out time is at 12:00 NN of the last day. First meal is lunch of the first day, and the last meal is lunch of the last day. Please see **Enclosure 3** - NSTF Program of Activities, for reference.
6. Student researchers are required to bring the following during the conduct of the above-mentioned activity:
 - a. soft and two (2) hard copies of each of the revised manuscripts. Each hard copy shall contain all forms (*follow the sequence of the contents based on the Scientific Review Committee Review and Recommendation Report*) and should be in soft bound packaging with clear/transparent hard plastic cover and cardboard or half of folder back cover and with earmarks. The transparent cover is followed by the title page that shall contain the research title, name(s) of student researcher(s), research adviser, and consultant(s), if applicable. The back cover, together with the side cover should be color coded: **yellow for LS-T, orange for RIM-I, and violet/purple for RIM-T.**




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- b. regional shout out, the best tag line to represent the region, (maximum of 30 seconds in video format, with clear video and clear audio);
 - c. display posters in full print using photopaper (tarpaulins are not allowed) with a dimension of 67 inches x 34 inches (**see Enclosure 4 for the format and contents**);
 - d. Region III polo shirt uniform (shall be provided by the Regional Office) for the opening program;
 - e. one (1) formal wear for the on-site evaluation of investigatory projects and science congress;
 - f. casual outfit, five (5) souvenir items and calling cards for the student mixer;
 - g. soft copy of the 5-minute power point presentation of the project for the science congress;
 - h. original Project Data Notebook or student journal with complete date of entry, number of pages and all other details; and
 - i. masks and 70% alcohol/hand sanitizer for protection.
7. Official delegates and other participants shall observe proper dress code. No wearing of sando, sleeveless, shorts, and slippers in the venue shall always be observed.
8. Observers and other participants shall submit a narrative report on their learnings and insights and how these learnings and insights benefit their schools to this Office one week after the conduct of the NSTF.
9. Board and lodging of the official delegates shall be shouldered by the DepEd Central Office, while their travel and other expenses, together with other participants in Enclosure 2, shall be charged against Regional/Division/School MOOE or other sources of funds, subject to usual government accounting and auditing rules and regulations.
10. Immediate dissemination of this Memorandum is earnestly requested.


NICOLAS T. CAPULONG, PhD, CESO V
Director III
Officer-In-Charge
Office of the Regional Director

Incls: as stated

Clmd10
February 12, 2020



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Enclosure 1 to Regional Memorandum No. _____, s. 2020

**LIST OF APPROVED PROJECTS AND REGION III FINALISTS TO THE
 NATIONAL SCIENCE AND TECHNOLOGY FAIR FOR SCHOOL YEAR 2019-2020**

Category	Title of Research	School	Proponent(s)	Adviser
LS-T	<i>Hydrocotyle verticillata</i> Reduces Ethanol Tolerance and Neurotoxic Effects on Cognitive and Motor Function of <i>Drosophila melanogaster</i>	Juan R. Liwag Memorial High School- JHS Bayanihan, City of Gapan, Nueva Ecija	Arabelle L. Santos Jesscel Mae J. Libiran Giuliana B. Anupol	Jerone S. Mejia
RIM-I	Compact Autonomous Rover Equipped with Multi-Directional Ultrasonic Sensor, Doppler Effect Motion Detection, and MQ-2 Gas Module Operated Using Serial Linked Raspberry PI and Arduino	Juan R. Liwag Memorial High School- SHS Bayanihan, City of Gapan, Nueva Ecija	Aljohn Elizer S. Dawal	Robert L. Lacadin
RIM-T	<i>JUAN WHEEL:</i> Automated Hybrid-Powered Wheelchair Made of Bamboo	Angeles City Science High School Doña Aurora St., Lourdes Sur East, Angeles City, Pampanga	Joaquin Inigo A. Cruz Willian Angelo G. Pangilinan Allen Joseph C. Siopongco	Lolita G. Bautista



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Enclosure 2 to Regional Memorandum No. _____, s. 2020

**OFFICIAL DELEGATES AND OTHER PARTICIPANTS TO THE NATIONAL
SCIENCE AND TECHNOLOGY FAIR FOR SCHOOL YEAR 2019-2020**

Novotel, Araneta City

OFFICIAL DELEGATES	
1. Dr. Nicolas T. Capulong	Regional Director
2. Dr. Ronelo Al K. Firmo	Assistant Regional Director
3. Arabelle L. Santos	Life Science-Team Researchers
4. Jesscel Mae J. Libiran	
5. Giuliana B. Anupol	
6. Aljohn Elizer S. Dawal	RIM-Individual Researcher
7. Joaquin Inigo A. Cruz	Robotics and Intelligent Machines (RIM)- Team Researchers
8. William Angelo G. Pangilinan	
9. Allen Joseph C. Siopongco	
10. Jerone S. Mejia	LS-T Adviser/Adult in charge
11. Lolita G. Bautista	RIM-T Adviser/Adult in charge
12. Robert L. Lacadin	RIM-I Adviser/Observer
13. Dr. Gemima A. Estrabillo	Division Science EPS, Angeles City
14. Mercedes Bactol	Division EPS, Gapan City
15. Dr. Librada M. Rubio	Regional Science EPS
OTHER PARTICIPANTS	
1. Nenita C. Manalastas	Science Dept. Head, Juan R. Liwag MHS
2. Mary Lorraine F. Lorida	Research Teacher, Juan R. Liwag MHS
3. Christine Ann Sta. Maria	Research Teacher, Juan R. Liwag MHS



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Enclosure 3 to Regional Memorandum No. _____, s. 2020

National Science and Technology Fair		
<i>Theme: Advancing Communities through Science Technology and Innovation.</i>		
10-14 February 2020		
Novotel, Araneta City		
Day 1 – 10 February 2020		
9:00 AM	Registration	Finalists/NTWG
1:30 PM	Poster Making Contest	Finalists/NTWG
3:30 PM	Program Simulation	Finalists/NTWG
4:30 PM	Display Installation	Finalists/NTWG
Day 2 – 11 February 2020		
<i>Opening Program</i>		
7:45 AM	Opening Act	Rondalla: San Francisco HS Trainer: Mrs. Myrna Cortez
8:00 AM	Philippine National Anthem Doxology	Choir : Quirino HS Glee Club Trainer: Mrs. Benilda Bartilad Dance : Ernesto Rondon HS "Sinag Mananayaw" Trainers: Paul John Macanang Michelle Lobendino Louise Isabel Nongui
	QC Hym/NCR Hym	
	Cultural Presentation	
8:15 AM	NSTF 2019 - An Overview	AVP
	Presentation of NSTF 2020 Finalists	AVP/Shoutout video
8:45 AM	Welcome Remarks	RD Malcolm Garma Regional Director DepEd NCR
9:00 AM	Opening Remarks	Dir. Jocelyn DR Andaya Director IV
9:15 AM	Message of Support	Jeanie Duwan* Assistant Cultural Affairs Officer Public Affairs Section Embassy of the United States of America

	Message of Support	Mr. Khalid Hassan Country Director International Labour Organization
	Message of Support	Hon. Mayor Joy Belmonte City Mayor, Quezon City
9:30 AM	Intermission Number	SDO Quezon City
9:45 AM	Introduction of the 2020 Board of Judges	AVP
10:00 AM	Introduction of the Keynote Speaker	DIOSDADO SAN ANTONIO Undersecretary for Curriculum and Instruction
10:15 AM	Message of the Keynote Speaker	Hon. Sec. Leonor Magtolis Briones DepEd Secretary
11:00 AM	Declaration of the Formal Opening of the 2020 NSTF (Photo opportunity)	Hon. Sec. Leonor Magtolis Briones DepEd Secretary
11:00 AM	Opening of Poster Exhibits/ Ribbon Cutting Ceremony	Executive Committee, Guests Rondalla Team
11:30 AM	Media Briefing	Press, Finalists
<i>Lunch Break</i>		
1:00 - 2:00 PM	Plenary 1:	Dr. Lourdes Cruz National Scientist Marine Science Institute – UP Diliman
2:00 – 2:30 PM	Industry/Partners Forum	
2:30 - 5:00 PM	Opening of Science Academy	
Room 1	Girl Power in Science Embassy of the United States American Spaces International Labour Organization Women in STEM Programme Hidden Figures Screening and Girl Power in Science Forum <ul style="list-style-type: none"> • Ms Jennie Duwan, Cultural Affairs Officer, American Spaces • Ms Audrey Pe, Founder, WITECH (Moderator) • Ms Michie Ang, Founding Director, Women Who Code • Ms Jo Santiago-Bond, NASA (video) • Ms Rio Lu, Executive Director of the Game Development • Ms. Linartes Vilorio, ILO 	
Room 2	US Embassy - American Spaces Building Communities of Innovation <ul style="list-style-type: none"> • Mr Archie Velasco, Fab Lab Mindanao MSU - IIT Innovation: From Insights to Implementation Mr. Matthew Escobido CEO, Ed Ventures	



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4:00 – 5:00 PM	On – site evaluation of Projects	Board of Judges Only	9:00 AM	Video AVP of the the INTEL ISEF 2019 Philippine Delegates Recognition of INTEL ISEF 2019 Philippine Delegation	Intel ISEF Delegates 2019/NTWG
Day 3 - February 12, 2020			9:30 AM	Inspirational Message	NAST/NASA
8:30 AM	Science Congress Nationalistic Song Doxology House Rules Introduction of the Board of Judges Criteria for Judging	National Technical Working Group Student Finalists, Board of Judges Regional/Division Supervisors Advisers Guests	10:00 AM	Recognition of all National Finalists	Finalists and Advisers
12:00 NN	Presentation & Judging of Projects		10:30 AM	AVP NSTF 2020	DepEd PAS
12:00 – 1:00 PM	<i>Lunch Break</i>		10:30 AM	Recognition of the Host Division Acknowledgment of Sponsors & Management Team	NTWG Executive Committee Host Division Sponsors
1:00 PM – 5:00 PM	Public Viewing of Projects and Exhibits	Finalists, Guests, NTWG	11:00 AM	Announcement of Winners Special Awards (OMF) Energy Innovation Award Gawad Aglitekno (WIPO) Best 3 Project per Category NSTF Best 6 Projects (GBF)	Dir. Jocelyn Andaya Sponsors Host Division/Region NTWG
1:00 PM	Dreaming Again: Bringing Space Technology to Earth to Advance Developing Countries	Dexter Baño <i>Founder of OrbitX</i>	11:45	Closing Remarks	DepEd
2:00PM	Launch of Science Educator Network	Grace Colet <i>Executive Director Gokongwei Brothers Foundation</i>	2:00 PM	Meeting of Regional Focal Persons (RSTF)	Regional Supervisors/NTWG
3:00 PM	US Embassy American Spaces Makerspace Magic: Creating Innovation Spaces in Schools	Mr. Gino Carino <i>CEO Makerspace Manila</i>			
4:00 PM	DOST Programs and Projects for every Juan	Dir. Richard P. Burgos Director, Science and Technology Information Institute (STII)			
3:00 PM	BOJ Deliberation/Recognition	Board of Judges, NTWG			
5:00 PM	Recognition of the BOJs	Board of Judges			
6:00 – 8:00PM	Student Mixer	Student Finalists			
Day 4 - February 13, 2020					
<i>Awarding and Closing Ceremony</i>					
8:30 AM					
8:30 AM	Nationalistic Song Ecumenical Prayer Intermission Number	AVP Host Region			



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Enclosure 4

TUKLAS (ISEF Category) - Display Board

Specifications:

- Display Board must have a **67" x 34"** dimensions (portrait style)
- Full print in photopaper, tarpaulins are not allowed.
- Compliant to DM No.113, s. 2019.

Project Title	
Abstract	
Background	Results and Discussion
Objectives	
Significance	Conclusion
Methodology	Recommendation
	Bibliography
	Photo Credits



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